

Variohm XPD Throttle Position Sensor 100 degree (Non-Contact)

Brand: Variohm

Product Code: XPD2832-810-214-911-00

Availability: In Stock

Weight: 0.10kg

Dimensions: 10.00cm x 10.00cm x 5.00cm

Price: \$295.00



Short Description

The Euro XPD D-Shaft Non-Contacting Rotary Position Sensor is extremely robust and offers long life. It is IP68 protection rated, and highly resistant to vibration, making it an excellent choice for throttle position sensing with our range of Jenvey Throttle Bodies.

Description

This model bolts directly to either end of any Jenvey throttle body in place of the TP11.

Features

- 8 mm D-Shaft Rotary Sensor
- Hall Effect non-contact technology
- Long life - extremely robust
- Programmable angles from 20° up to 360°
- IP68 protection
- Selectable mounting options
- Redundant output

Technical Details

Mechanical

Typical Life Cycle >50 million movements (restriction by mechanics)

Torque < 0.1 Ncm

Measuring range 360° redundant, signal 1 cw, signal 2 ccw

Housing High grade temperature resistant plastic

D-Shaft Nylon 66

Environmental

Operating temperature -40°C to +125°C (Short term 150°C)

Vibration 5...2000 Hz; Amax = 0.75 mm;

amax = 20g to IEC 60068-2-6

IP rating IP68 (minimum)

Electrical

Supply Voltage 5V +/- 0.5V

Output signal Ratiometric 5%...95% of supply (+/-25mv of specified electrical output range for both start & end voltage)

Independant linearity +/- 0.5% of each signal range

Isolation resistance 200 M Ω (500 VDC, 1 bar, 2s)

Repeatability <= 0.2% (dependent on mounting tolerances)

Electrical connection See ordering code/wiring diagram

Cable type Raychem Spec 55, 24 AWG

Sleeving - Raychem DR25